

AMENDMENTS TO THE CLAIMS

The listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1. (Canceled)

2. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity ~~sends~~ to send the polling request when a last ~~PDU~~ Protocol Data Unit (PDU) in a transmission buffer is transmitted.

3. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity ~~sends~~ to send the polling request when ~~[[a]]~~ the status report has not been received by ~~said~~ the transmitting peer entity and a polling timer has timed out.

4. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity ~~sends~~ to send the polling request when ~~said~~ the transmitting peer entity has transmitted a predefined number of ~~PDU~~ Protocol Data Units (PDUs).

5. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity ~~sends~~ to send the polling request when ~~said~~ the transmitting peer entity has transmitted a predefined number of ~~SDU~~ Service Data Units (SDUs).

6. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity sends-said to send the polling request when ~~said the~~ transmitting peer entity has transmitted during a predefined portion of a transmitting window.

7. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity sends-said to send the polling request when ~~said the~~ transmitting peer entity has transmitted during a predefined period of time.

8. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said~~ the first set of rules causes the transmitting peer entity defers to defer sending said the polling request for a predefined period of time.

9. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said further comprising adjusting by the transmitting peer entity, adjusts a transmission window parameter responsive in response to receiving said the status report.~~

10. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said further comprising retransmitting by the transmitting peer entity, retransmits at least one PDU Protocol Data Unit (PDU) responsive to receiving said status report.~~

11. (Currently Amended) The method of Claim ~~[[1]]~~ 38, wherein ~~said further comprising the steps of:~~

determining by the transmitting peer entity whether the status report sent by the receiving peer entity is plausible; and

retransmitting by the transmitting peer entity, retransmits at least one PDU Protocol Data Unit (PDU) responsive to receiving said status report, if said in response to determining that the status report is plausible.

12. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~transmits said~~ to transmit the status report to ~~said~~ the transmitting peer entity if an estimated Protocol Data Unit (PDU) PDU counter is not counting, ~~said and causes the receiving peer entity to not sending said send the status report to ~~said~~ the transmitting peer entity if ~~said~~ the estimated PDU counter is counting.~~

13. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~transmits said~~ to transmit the status report to ~~said~~ the transmitting peer entity if ~~said~~ the receiving peer entity detects at least one missing or incorrectly received PDU Protocol Data Unit (PDU).

14. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~transmits said~~ to transmit the status report to ~~said~~ the transmitting peer entity when a predefined number of PDUs Protocol Data Units (PDUs) is received.

15. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~transmits said~~ to transmit the status report to ~~said~~ the transmitting peer entity when a predefined number of SDUs Service Data Units (SDUs) is received.

16. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~transmits said~~ to transmit the status report to ~~said~~ the transmitting peer entity ~~responsive to receipt of a poll~~ in response to receiving the polling request.

17. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~transmits said~~ to transmit the status report to ~~said~~ the transmitting peer entity when the transmitting peer entity has transmitted during a predefined portion of a transmitting window.

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18. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~sends said~~ to send the status report to the transmitting peer entity during a predefined period of time.

19. (Currently Amended) The method of Claim [[1]] 38, wherein ~~said~~ the second set of rules causes the receiving peer entity ~~defers to defer~~ sending said the status report for a predefined period of time.

20. (Canceled)

21. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said~~ the signaling means in the transmitting peer entity ~~sends said~~ the polling request when a last PDU Protocol Data Unit (PDU) in a transmission buffer is transmitted.

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22. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said~~ the signaling means in the transmitting peer entity ~~sends said~~ the polling request when [[a]] the status report has not been received by said the transmitting peer entity and a polling timer has timed out

23. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said~~ the signaling means in the transmitting peer entity ~~sends said~~ the polling request when said the transmitting peer entity has transmitted a predefined number of PDUs Protocol Data Units (PDUs).

24. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said~~ the signaling means in the transmitting peer entity ~~sends said~~ the polling request when said the transmitting peer entity has transmitted a predefined number of SDUs Service Data Units (SDUs).

25. (Currently Amended) The system of Claim [[20]] 39, wherein said the signaling means in the transmitting peer entity sends said the polling request when said the transmitting peer entity has transmitted during a predefined portion of a transmitting window.

26. (Currently Amended) The system of Claim [[20]] 39, wherein said the signaling means in the transmitting peer entity sends said the polling request when said the transmitting peer entity has transmitted during a predefined period of time.

27. (Currently Amended) The system of Claim [[20]] 39, wherein said the signaling means in the transmitting peer entity defers sending said the polling request for a predefined period of time.

28. (Currently Amended) The system of Claim [[20]] 39, wherein said the transmitting peer entity adjusts also includes means for adjusting a transmission window parameter responsive in response to receiving said the status report.

29. (Currently Amended) The system of Claim [[20]] 39, wherein said the transmitting peer entity retransmits also includes means for retransmitting at least one PDU Protocol Data Unit (PDU) responsive in response to receiving said the status report.

30. (Currently Amended) The system of Claim [[20]] 39, wherein said the transmitting peer entity also includes:

means for determining whether the status report sent by the receiving peer entity is plausible; and

retransmits means for retransmitting at least one PDU Protocol Data Unit (PDU) responsive to receiving said status report, if said in response to determining that the status report is plausible.

31. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said the~~ signaling means in the receiving peer entity ~~transmits said~~ sends the status report to ~~said the~~ transmitting peer entity if an estimated PDU Protocol Data Unit (PDU) counter is not counting, ~~said receiving peer entity not sending said~~ and does not send the status report to ~~said the~~ transmitting peer entity if ~~said the~~ estimated PDU counter is counting.

32. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said the~~ signaling means in the receiving peer entity ~~transmits said~~ sends the status report to ~~said the~~ transmitting peer entity if ~~said the~~ receiving peer entity detects at least one missing or incorrectly received PDU Protocol Data Unit (PDU).

33. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said the~~ signaling means in the receiving peer entity ~~transmits said~~ sends the status report to ~~said the~~ transmitting peer entity when a predefined number of PDUs Protocol Data Units (PDUs) is received.

34. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said the~~ signaling means in the receiving peer entity ~~transmits said~~ sends the status report to ~~said the~~ transmitting peer entity when a predefined number of SDUs Service Data Units (SDUs) is received.

35. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said the~~ signaling means in the receiving peer entity ~~transmits said~~ sends the status report to ~~said the~~ transmitting peer entity when the transmitting peer entity has transmitted during a predefined portion of a transmitting window.

36. (Currently Amended) The system of Claim [[20]] 39, wherein ~~said the~~ signaling means in the receiving peer entity sends ~~said the~~ status report during a predefined period of time.

37. (Currently Amended) The system of Claim [[20]] 39, wherein said the signaling means in the receiving peer entity defers sending said the status report for a predefined period of time.

38. (New) A flexible method of enabling error-free delivery of data between a transmitting peer entity and a receiving peer entity when operating with changing service configurations corresponding to the delivery of data between the transmitting peer entity and the receiving peer entity, said method comprising the steps of:

informing the transmitting peer entity and the receiving peer entity of a specific service configuration corresponding to the delivery of data between the transmitting peer entity and the receiving peer entity;

determining by the transmitting peer entity, a first set of rules corresponding to the specific service configuration, said first set of rules governing how and/or when the transmitting peer entity should send polling requests to the receiving peer entity;

sending a polling request from the transmitting peer entity to the receiving peer entity in accordance with the first set of rules;

determining by the receiving peer entity, a second set of rules corresponding to the specific service configuration, said second set of rules governing how and/or when the receiving peer entity should send status reports to the transmitting entity, in response to receiving one or more polling requests; and

sending a status report from the receiving peer entity to the transmitting peer entity in accordance with the second set of rules.

39. (New) A flexible system for enabling error-free delivery of data between a transmitting peer entity and a receiving peer entity when operating with changing service configurations corresponding to the delivery of data between the transmitting peer entity and the receiving peer entity, said system comprising:

means for informing the transmitting peer entity and the receiving peer entity of a specific service configuration corresponding to the delivery of data between the transmitting peer entity and the receiving peer entity;

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a first set of rules corresponding to the specific service configuration, said first set of rules governing how and/or when the transmitting peer entity should send polling requests to the receiving peer entity;

means within the transmitting peer entity for selecting the first set of rules based upon the specific service configuration;

signaling means in the transmitting entity for sending a polling request from the transmitting peer entity to the receiving peer entity in accordance with the first set of rules;

a second set of rules corresponding to the specific service configuration, said second set of rules governing how and/or when the receiving peer entity should send status reports to the transmitting entity, in response to receiving one or more polling requests;

means within the receiving peer entity for selecting the second set of rules based upon the specific service configuration; and

signaling means in the receiving peer entity for sending a status report from the receiving peer entity to the transmitting peer entity in accordance with the second set of rules.